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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Defense Information Systems Agency										Date: February 2018		
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301144K I Joint/Allied Coalition Information Sharing							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	80.595	5.464	6.104	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
NND: Multinational Information sharing	80.595	5.464	6.104	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Through the Combined Enterprise Regional Information Exchange System (CENTRIXS) and Pegasus, the Multinational Information Sharing (MNIS) Program enables secure sharing of operational and intelligence information and enhances collaboration between United States (US) forces, trusted allies and other multinational partners. This effort also increases overall combat effectiveness by leveraging capabilities and information from all partners and reducing the possibility of fratricide. These coalition information sharing systems are in direct support of the Department of Defense's (DoD's) strategic goals to "Win our Nation's Wars" and "Deter conflict and promote security". The MNIS program supports five Combatant Commands (COCOMs) with connectivity in 89 nations, the North America Treaty Organization, 11 Bilateral agreements and 150 sites with over 80,000 users worldwide. MNIS also evaluates new technologies and develops tactics, techniques and procedures to facilitate the integration of emerging technologies and capabilities into operational multinational information sharing capability. The integration of new technology for CENTRIXS and Pegasus is accomplished through research, integration, and testing using the Combined Federated Battle Laboratory Network.

A planned improvement to the CENTRIXS coalition network, Common Mission Network Transport (CMNT), will provide distinct and permanent transport capabilities; enabling network operation centers to priority command and control information more efficiently. CMNT supports DoD instruction 8110.1 guidance for integrating CENTRIXS and other operational networks into existing DoD general service communications infrastructure as a separate network servicing all DoD MNIS requirements. This capability provides a common transport for encrypted traffic. CMNT will be the established encrypted network to facilitate the movement of virtual private network traffic between segments.

The MNIS emerging capability, Unclassified Information Sharing Services (UISS), extends US information sharing capabilities to mission partners providing enterprise-level solutions that allow COCOMs to share unclassified information with US Government agencies and non-traditional partners such as, host nations, intergovernmental organizations, and nongovernmental organizations. The employment concept for the UISS is to implement enterprise Web-based, "non-mil" platform, available to as broad a community as needed to support mission operations, with worldwide, 24 hour-a-day, seven day-a-week access, to any user with an Internet connection, including web-enabled mobile personal devices. Using an Internet-based capability and an integrated suite of commercial-off-the-shelf collaboration tools the UISS capability will enable unclassified information exchanges and ad-hoc communications for shared communities of interest and issue-specific groups among and across organizations and individuals.

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B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	5.935	6.104	5.413	-	5.413
Current President's Budget	5.464	6.104	0.000	-	0.000
Total Adjustments	-0.471	0.000	-5.413	-	-5.413
• Congressional General Reductions	-0.471	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-5.413	-	-5.413

Change Summary Explanation

The decrease of -\$5.413 in FY 2019 is the result of the Joint/Allied Coalition Information Sharing program being functionally transferred to the Air Force beginning in FY 2019.

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Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0301144K / Joint/Allied Coalition Information Sharing				Project (Number/Name) NND / Multinational Information sharing			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
NND: Multinational Information sharing	80.595	5.464	6.104	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Multinational Information Sharing (MNIS) Program is a portfolio of four coalition information sharing capabilities designed to enable and improve sharing of operational and intelligence information among United States (US) forces and multinational partners.

1) Combined Enterprise Regional Information Exchange System (CENTRIXS), supports intelligence and classified operations at the Secret Releasable level. There are multiple, cryptographically-isolated CENTRIXS enclaves serving various communities of interest (COI) that support multinational efforts including Overseas Contingency Operations and counter-narcotics operations. CENTRIXS is regionally focused and combatant command (COCOM) centric. The MNIS Program Management Office provides selected centralized services from two Defense Enterprise Computing Centers for five of the 40+ CENTRIXS networks/COIs, and engineering support for standardized solutions.

2) Pegasus connects the national Command and Control (C2) systems of Combined Communications Electronics Board (CCEB) Nations including Australia, Canada, New Zealand, United Kingdom and the US, using commercial-off-the-shelf security appliances and cross domain solutions that facilitate situational awareness and operational planning/execution. Pegasus has a strategic focus and is member nation centric.

3) The Combined Federated Battle Laboratory Network (CFBLNet) provides a controlled coalition Research, Development, Trials and Assessment coalition information sharing “sandbox” for the US, CCEB Nations, North Atlantic Treaty Organization (NATO), and other mission essential nations. This sandbox is used to evaluate new technologies and to develop tactics, techniques and procedures that facilitate the transition of promising technologies and capabilities into operational multinational information sharing capability enhancements. CFBLNet's direct customers are the CCEB nations’ military operational and intelligence entities led by their US counterparts at the COCOM and Agency levels. It is being used for the Coalition Warrior Interoperability Demonstrations, NATO missile defense initiatives, and by the Intelligence, Surveillance and Reconnaissance community to test capabilities prior to deployment.

4) The Unclassified Information Sharing Service (UISS) extends US information sharing capabilities to mission partners, enterprise-level solutions that allow COCOMs to share unclassified information with other US Government agencies, host nations, inter-governmental organizations, non-governmental organizations, and other partners.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018	FY 2019
Title: Multinational Information Sharing	5.464	6.104	0.000
Description: Through the CENTRIXS and Pegasus, the MNIS Program enables secure sharing of operational and intelligence information and enhances collaboration among US forces, most trusted allies and additional multinational partners. The MNIS			

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B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019
<p>Program also initiated a capability to support enhancements for the UISS-All Partners Access (APAN). UISS-APAN migrated existing systems supporting coalition sharing to an enterprise solution hosted on a DISA Defense Enterprise Computing Center. UISS-APAN capability will satisfy COCOM needs for tools and technology to support collaboration with non-traditional partners for humanitarian missions.</p> <p>FY 2018 Plans: CENTRIXS CMNT: Continue leveraging technology refresh activities for integration of legacy CENTRIXS environments to gain efficiencies in virtualization consolidation for storage and services to reduce sustainment costs. Plan for integration and testing of additional core services to mission partners.</p> <p>Pegasus: Plan to perform testing and integration activities for Coalition Network Operations Center (CNOC) and National-level Network Operations Center (NNOC) Five Eyes (FVEY) (AUS/CAN/NZL/US/USA) Nations capabilities.</p> <p>CFBLNet: Plan to perform testing and integration activities for technical refresh of Wide Area Network (WAN) infrastructure to support Research and Development, Training, Trials & Assessment (RDTT&A) initiatives on a recurring annual basis. Support testing and integration for virtualized infrastructure for Cross Domain Enterprise Services.</p> <p>UISS-APAN: Plan to perform cloud platform integration and testing for the Unclassified information sharing capabilities supporting Humanitarian Assistance & Disaster Relief (HA/DR) efforts.</p> <p>The increase of +\$0.640 from FY 2017 to FY 2018 provides an increase in testing and integration activities for MPE Episodic and Enduring capabilities to implement virtualized technologies for Classified COIs.</p> <p>FY 2019 Plans: N/A</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement: The decrease of -\$6.104 from FY 2018 to FY 2019 is the result of the Joint/Allied Coalition Information Sharing program being functionally transferred to the Air Force beginning in FY 2019.</p>											
Accomplishments/Planned Programs Subtotals									5.464	6.104	0.000
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• O&M, DW/0301144K: O&M, DW	47.629	46.665	0.000	-	0.000	0.000	0.000	0.000	-	Continuing	Continuing

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Appropriation/Budget Activity 0400 / 7				R-1 Program Element (Number/Name) PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>				Project (Number/Name) NND / <i>Multinational Information sharing</i>			

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u> <u>Base</u>	<u>FY 2019</u> <u>OCO</u>	<u>FY 2019</u> <u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• Proc, DW/0301144K: <i>Proc, DW</i>	0.623	0.708	0.000	-	0.000	0.000	0.000	0.000	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Performance-based contracts are primarily used for this support. MNIS maximizes the use of competitive awards and uses various contract types, employs large and small contractors, and is focused to achieve agency socio-economic goals and incorporate DoD acquisition reform initiatives. MNIS evaluates performance by conducting thorough Post-award Contract Reviews, monthly Contract Performance Reviews, and monthly In-Process Reviews.

E. Performance Metrics

Measure:
 -% of design, testing and integration activities for MNIS classified technology refresh projects complete (9 Nodes) – 100%

Performance Metric:
 -Information Assurance (Classified)
 FY17 Actual: Targets Meet
 FY18 Estimate: Expected to Meet

Methodology:
 -Technology Refreshes Projects – 100%
 -Direct traffic with 99.99% accuracy for chat, email, VOIP, file transfer, data storage and web service.

Measure:
 -Number of CFBLNet Exercises/Events hosted

Performance Metric:
 -Annual number of CFBLNet Exercises hosted ≥ 2 Exercises Hosted (Empire Challenge & CWIX)
 FY17 Actual: Targets Meet
 FY18 Estimate: Expected to Meet

-Annual number of Test Bed Exercise ≥ 16 Test Events Hosted (Estimate): Met
 FY17 Actual: Targets Meet
 FY18 Estimate: Expected to Meet

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<p>Methodology: -Number of exercises hosted per Fiscal Year</p> <p>Measure: Cloud integration, Development, Integration, Testing (Unclassified)</p> <p>Performance Metric: % of Cloud Development, Testing, Integration and Implementation Complete = 100% FY17 Actual: Targets Meet FY18 Estimate: Expected to Meet</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Defense Information Systems Agency												Date: February 2018			
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0301144K / Joint/Allied Coalition Information Sharing						Project (Number/Name) NND / Multinational Information sharing			
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cross Domain Chat	C/CPFF	TBD : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Cross Domain Solutions Ops Capabilities Spt	C/CPFF	HAI/Raytheon : Alexandria, VA	11.781	-		-		-		-		-	Continuing	Continuing	-
Cross Domain Chat - develop & tech services	C/CPFF	Harris Corporation : Alexandria, VA	15.149	-		-		-		-		-	Continuing	Continuing	-
Cross Domain Solutions -- operational capabilities support	C/CPFF	CACI : Chantilly, VA	0.650	-		-		-		-		-	Continuing	Continuing	-
Subtotal			27.580	-		-		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Federally Funded Research Develop Center (FFRDC)	C/CPFF	MITRE : Arlington VA	8.328	0.800	Oct 2017	0.329	Oct 2017	-		-		-	Continuing	Continuing	-
Program Support	C/CPFF	Ingenium and SAIC : Upper Marlboro & DC	1.522	-		-		-		-		-	Continuing	Continuing	-
Engineering Support	C/CPFF	Raytheon : Arlington, VA	9.580	-		-		-		-		-	Continuing	Continuing	-
DoD Services	MIPR	Various – SPAWAR and Pacific : Warfighting Ctr Hawaii	4.110	-		-		-		-		-	Continuing	Continuing	-
Project Planning and Managment	C/CPFF	Harris Corporation : Alexandria, VA	5.315	-		-		-		-		-	Continuing	Continuing	-
Engineering Support	C/CPFF	CACI : Chantilly, VA	0.975	0.093	Oct 2017	-		-		-		-	Continuing	Continuing	-
Project Planning	C/CPFF	TBD : TBD	0.777	1.115	Oct 2017	-		-		-		-	Continuing	Continuing	-
Engineering Support	C/CPIF	TBD : TBD	1.889	1.800	Oct 2017	-		-		-		-	Continuing	Continuing	-
Classified	MIPR	---- : ----	9.069	-		-		-		-		-	Continuing	Continuing	-

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Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	C/CPFF	BAH : TBD	-	-		0.721	May 2018	-		-		-	Continuing	Continuing	-
Engineering T&E Hardware	C/CPFF	Primere : Primere	-	-		0.612	Jul 2018	-		-		-	Continuing	Continuing	-
Coalition T&E	C/CPFF	JITC : Ft. Meade	-	-		0.769	Jan 2018	-		-		-	Continuing	Continuing	-
SETA Engineering	C/FFP	TBD : TBD	-	-		0.600	Sep 2018	-		-		-	Continuing	Continuing	-
Engineering Support	MIPR	Various - SPAWAR and Pacific Warfighting Ctr : Hawaii	-	-		2.576	Nov 2017	-		-		-	Continuing	Continuing	-
Engineering Support	C/CPFF	TBD : TBA	-	-		0.497	Jul 2018	-		-		-	Continuing	Continuing	-
Subtotal			41.565	3.808		6.104		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coalition Lab T&E, IAVA STIG	MIPR	JITC : Fort Meade, MD	11.450	1.656	Oct 2017	-		-		-		-	Continuing	Continuing	-
Subtotal			11.450	1.656		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			80.595	5.464		6.104		-		-		-	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Defense Information Systems Agency										Date: February 2018			
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>					Project (Number/Name) NND / <i>Multinational Information sharing</i>			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MULTINATIONAL INFORMATION SHARING (MNIS) - Current Systems																												
CENTRIX Capability																												
CMNT																												
JITC Testing Security/C&A																												
CFBLNet																												
UIS																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Defense Information Systems Agency			Date: February 2018
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>	Project (Number/Name) NND / <i>Multinational Information sharing</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MULTINATIONAL INFORMATION SHARING (MNIS) - Current Systems</i>				
CENTRIX Capability	1	2017	4	2018
CMNT	1	2017	4	2018
JITC Testing Security/C&A	1	2017	4	2018
CFBLNet	1	2017	4	2018
UIS	1	2017	4	2018